

IN THE CLAIMS:

Please amend claims 1, 2, 4, 5, and 9-11 as follows. Please add new claims 12 and 13.

1. (Currently Amended) A method ~~of allocating a channel in a mobile system,~~ comprising:

arranging, in ~~the~~ a mobile system base stations and between a base station controller and base stations, telecommunication channels which are available for a plurality of base stations but not permanently allocated to any base station, ~~between a base station controller and the base stations,~~

allocating in call set-up at least one of said telecommunication channels between the base station controller and the base stations to the base station handling the call, and

controlling the base station controller to transmit information to the base station on the telecommunication channel between the base station controller and the base station allocated thereto.

2. (Currently Amended) A method as claimed in claim 1, wherein
said telecommunication channels are circuit-switched, ~~and that in the method:~~
said telecommunication channels are classified on the basis of their characteristics into at least two categories, i.e. primary telecommunication channels and secondary telecommunication channels, and

in call set-up, a primary telecommunication channel, if available, is allocated to the base station, otherwise a free secondary telecommunication channel is allocated thereto.

3. (Previously Presented) A method as claimed in claim 2, wherein said free telecommunication channels are classified into categories on the basis of their data transmission capacity or quality such that the primary telecommunication channels have

larger data transmission capacity or they are of better quality than the secondary telecommunication channels.

4. (Currently Amended) A mobile system, comprising: which comprises
a base station controller,
a plurality of optional telecommunication channels, which are not permanently allocated to any base station, available between said base station controller and base stations,

at least a first and a second base station, which comprise transceiver units ~~for establishing~~ configured to establish a telecommunication connection by radio signals to the subscriber terminals located in the base station coverage area and a switching means unit for switching configured to switch the base station transceiver units onto a particular channel of a said plurality of optional telecommunication channels between the base station controller and the base stations, ~~wherein a plurality of optional telecommunication channels available between said base station controller and said base stations, but not permanently allocated to any base station,~~

the base station controller comprises ~~control means~~ a controller which in call set-up allocates at least one of said telecommunication channels between said base station controller and said base stations to the first or the second base station for the call and which transmit a predetermined message indicating the allocated telecommunication channel to the base station to whom the channel is allocated, and

the switching ~~means~~ unit of the first, and correspondingly, of the second base station are responsive to said message for switching the base station transceiver units to the telecommunication channel assigned by said message.

5. (Currently Amended) A mobile system as claimed in claim 4, wherein
said telecommunication channels are circuit-switched telecommunication channels that are classified on the basis of their characteristics into at least two categories, that is,

into primary telecommunication channels and secondary telecommunication channels and that

said ~~control means~~ controller allocates in call set-up a primary telecommunication channel, if available, to the call, otherwise a free, secondary telecommunication channel is allocated thereto.

6. (Previously Presented) A mobile system as claimed in claim 4, wherein the primary telecommunication channels have larger data transmission capacity or they are of better quality than the secondary telecommunication channels.

7. (Previously Presented) A mobile system as claimed in claim 4 wherein said message indicating the allocated telecommunication channel also indicates a radio channel to be used in the call to the transceiver unit of the base station.

8. (Previously Presented) A mobile system as claimed in claim 4 wherein said mobile system is the GSM system and said message consists of a CHANNEL ACTIVATION message in accordance with the GSM specifications part 08.58, to which is added information on the telecommunication channel allocated to the base station.

9. (Currently Amended) A ~~mobile system~~ base station, comprising: ~~which comprises~~

transceiver units ~~for establishing~~ configured to establish a telecommunication connection by radio signals to the subscriber terminals located in the coverage area of the base station, and

a switching unit configured to connect ~~means for connecting~~ its transceiver units in call set-up to a base station controller via particular channels of a plurality of optional telecommunication channels available between said base station controller and base

stations of said system and which are not permanently allocated to any base station, said switching unit means being responsive to a message received by the base station in conjunction with the call set-up for switching a particular transceiver unit onto the telecommunication channel between the base station controller and the base station indicated by the message for the call.

10. (Currently Amended) A base station as claimed in claim 9, wherein said particular transceiver unit comprises ~~means for~~ an applying unit configured to apply a radio channel assigned by the message for the duration of the call to be established.

11. (Currently Amended) A base station controller comprising:

means for communicating with base stations via a plurality of optional telecommunication channels, which are not permanently allocated to any base station, between the base station controller and the base stations, and

control means which are arranged to allocate in call set-up at least one of said telecommunication channels between the base station controller and the base stations to a base station for a call and which are arranged to transmit a predetermined message indicating the allocated telecommunication channel to the base station to whom the channel is allocated.

12. (New) A base station controller comprising:

a communicating unit configured to communicate with base stations via a plurality of optional telecommunication channels, which are not permanently allocated to any base station, between the base station controller and the base stations, and

a controller configured to allocate in call set-up at least one of said telecommunication channels between the base station controller and the base station to a base station for a call and to transmit a predetermined message indicating the allocated telecommunication channel to the base station to whom the channel is allocated.

13. (New) A mobile system comprising:

arranging means for arranging base stations and telecommunication channels which are available for a plurality of base stations but not permanently allocated to any base station, between a base station controller and the base stations,

allocating means for allocating in call set-up at least one of said telecommunication channels between the base station controller and the base stations to the base station handling the call, and

controlling means for controlling the base station controller to transmit information to the base station on the telecommunication channel between the base station controller and the base stations allocated thereto.